

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/508,759A  
Source: IFW/b  
Date Processed by STIC: 7/27/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

10/508,759A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
  
- 4      Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
  
- 5      Variable Length     Sequence(s)      contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)             . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
  
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence:  
                               (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               (i)       SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                               (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               This sequence is intentionally skipped  
                               Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)      missing. If **intentional**, please insert the following lines for **each** skipped sequence.  
                               <210> sequence id number  
                               <400> sequence id number  
                               000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                               Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                               In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
  
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
  
- 11      Use of <220>     Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
  
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa     "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/508,759A

TIME: 09:57:33

Input Set : A:\30215APG\_SEQ.txt

Output Set: N:\CRF4\07272006\J508759A.raw

3 <110> APPLICANT: APROGEN INC.  
 5 <120> TITLE OF INVENTION: HUMANIZED ANTIBODY AND PROCESS FOR PREPARING SAME  
 7 <130> FILE REFERENCE: PCA30215/APG  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/508,759A  
 C--> 9 <141> CURRENT FILING DATE: 2004-09-22  
 9 <150> PRIOR APPLICATION NUMBER: KR10-2002-0015708  
 10 <151> PRIOR FILING DATE: 2002-03-22  
 12 <160> NUMBER OF SEQ ID NOS: 38  
 14 <170> SOFTWARE: KopatentIn 1.71  
 16 <180> SEQ ID NO: 1  
 17 <211> LENGTH: 345  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: HEAVY CHAIN of HZVII  
 24 <400> SEQUENCE: 1  
 25 caggtccagc tgggtgcagtc tggagctgaa gtgaagaagc ctggggcctc agtgaaggtt 60  
 27 tcctgcaaag cttctggcta caccttcacc agtgcttgga tgaactgggt gcgacaggcc 120  
 29 cctggacagg gtcttgagt gatgggacgg atttatacta gtggtggaag cactagctac 180  
 31 gcacagaagt tccagggcag agtcacaatg actgcagaca aatccacgag cacagtctac 240  
 33 atggagctca gcagcctgag atctgaggac acggcggtgt attactgtgc aagagagtac 300  
 35 cgggttgccc gttggggcca aggaactctg gtcactgtct cttca 345  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 115  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: HEAVY CHAIN of HZVII  
 47 <400> SEQUENCE: 2  
 48 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Ala Pro Gly Ala  
 49 1 5 10 15  
 51 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ala  
 52 20 25 30  
 54 Trp Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 55 35 40 45  
 57 Gly Arg Ile Tyr Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
 58 50 55 60  
 60 Gln Gly Arg Val Thr Met Thr Ala Asp Lys Ser Thr Ser Thr Val Tyr  
 61 65 70 75 80  
 63 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 64 85 90 95  
 66 Ala Arg Glu Tyr Arg Val Ala Arg Trp Gly Gln Gly Thr Leu Val Thr  
 67 100 105 110

Does Not Comply  
 Corrected Diskette Needed

see  
 pp 2-5

## RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/508,759A

TIME: 09:57:33

Input Set : A:\30215APG\_SEQ.txt

Output Set: N:\CRF4\07272006\J508759A.raw

69 Val Ser Ala  
70 115  
73 <210> SEQ ID NO: 3  
74 <211> LENGTH: 336  
75 <212> TYPE: DNA  
76 <213> ORGANISM: Artificial Sequence  
78 <220> FEATURE:  
79 <223> OTHER INFORMATION: LIGHT CHAIN of HZVII  
82 <400> SEQUENCE: 3  
83 gatatcgtga tgacccaaac tccactttct ttgtcgggta cccctggaca accagcctct 60  
85 atctcttgca agtcaagtca gagcctctta tatagtaatg gaaaaaccta tttgaattgg 120  
87 ttattacaga agccaggcca gcctccacag cgcctaatct atctggtgtc taatcgggac 180  
89 tctggagtcc ctgacagggt cagtggcagt ggatcaggaa cagattttac actgaaaatc 240  
91 agcagagtgg aggctgagga tgttggagtt tattactgcg tgcaagggtac acattttcct 300  
93 cagacgttcg gtggaggcac caaggtggaa atcaaa 336  
96 <210> SEQ ID NO: 4  
97 <211> LENGTH: 112  
98 <212> TYPE: PRT  
99 <213> ORGANISM: Artificial Sequence  
101 <220> FEATURE:  
102 <223> OTHER INFORMATION: LIGHT CHAIN of HZVII  
105 <400> SEQUENCE: 4  
106 Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly  
107 1 5 10 15  
109 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser  
110 20 25 30  
112 Asn Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Lys Pro Gly Gln Pro  
113 35 40 45  
115 Pro Gln Arg Leu Ile Tyr Leu Val Ser Asn Arg Asp Ser Gly Val Pro  
116 50 55 60  
118 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile  
119 65 70 75 80  
121 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Val Gln Gly  
122 85 90 95  
124 Thr His Phe Pro Gln Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
125 100 105 110  
130 <210> SEQ ID NO: 5  
131 <211> LENGTH: 26  
132 <212> TYPE: DNA  
133 <213> ORGANISM: Artificial Sequence  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: (Ryu94) *insufficient - give source of genetic material*  
139 <400> SEQUENCE: 5  
140 gagaattcac attcacgatg tacttg 26  
143 <210> SEQ ID NO: 6  
144 <211> LENGTH: 33  
145 <212> TYPE: DNA  
146 <213> ORGANISM: Artificial Sequence  
148 <220> FEATURE:

(see item 11 on Euro summary sheet)

## RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/508,759A

TIME: 09:57:33

Input Set : A:\30215APG\_SEQ.txt

Output Set: N:\CRF4\07272006\J508759A.raw

149 <223> OTHER INFORMATION: HUR43-1 *same env*

152 <400> SEQUENCE: 6

153 ctgctgcagc tggacctgac tctggacacc att 33

156 <210> SEQ ID NO: 7

157 <211> LENGTH: 33

158 <212> TYPE: DNA

159 <213> ORGANISM: Artificial Sequence

161 <220> FEATURE:

162 <223> OTHER INFORMATION: HUR44-1

165 <400> SEQUENCE: 7

166 caggctccagc tgcagcagtc tggacctgaa ctg 33

169 <210> SEQ ID NO: 8

170 <211> LENGTH: 33

171 <212> TYPE: DNA

172 <213> ORGANISM: Artificial Sequence

174 <220> FEATURE:

175 <223> OTHER INFORMATION: HUR45-1

178 <400> SEQUENCE: 8

179 tgggccccttg gtggaggctg cagagacagt gac 33

182 <210> SEQ ID NO: 9

183 <211> LENGTH: 33

184 <212> TYPE: DNA

185 <213> ORGANISM: Artificial Sequence

187 <220> FEATURE:

188 <223> OTHER INFORMATION: HUR46-1

191 <400> SEQUENCE: 9

192 gctctccacca agggcccacg ggtcttcccc ctg 33

195 <210> SEQ ID NO: 10

196 <211> LENGTH: 28

197 <212> TYPE: DNA

198 <213> ORGANISM: Artificial Sequence

200 <220> FEATURE:

201 <223> OTHER INFORMATION: HUR31

204 <400> SEQUENCE: 10

205 cagcggccgc tcatttaccc ggggacag 28

208 <210> SEQ ID NO: 11

209 <211> LENGTH: 26

210 <212> TYPE: DNA

211 <213> ORGANISM: Artificial Sequence

213 <220> FEATURE:

214 <223> OTHER INFORMATION: Ryu86

217 <400> SEQUENCE: 11

218 caaagcttgg aagcaagatg gattca 26

221 <210> SEQ ID NO: 12

222 <211> LENGTH: 27

223 <212> TYPE: DNA

224 <213> ORGANISM: Artificial Sequence

226 <220> FEATURE:

227 <223> OTHER INFORMATION: HUR48

## RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/508,759A

TIME: 09:57:33

Input Set : A:\30215APG\_SEQ.txt

Output Set: N:\CRF4\07272006\J508759A.raw

230 <400> SEQUENCE: 12  
 231 caagatatcc ccacaggtac cagatac 27  
 234 <210> SEQ ID NO: 13  
 235 <211> LENGTH: 27  
 236 <212> TYPE: DNA  
 237 <213> ORGANISM: Artificial Sequence  
 239 <220> FEATURE:  
 240 <223> OTHER INFORMATION: HUR49  
 243 <400> SEQUENCE: 13  
 244 tgtgggggata tcttgatgac ccaaact 27  
 247 <210> SEQ ID NO: 14  
 248 <211> LENGTH: 27  
 249 <212> TYPE: DNA  
 250 <213> ORGANISM: Artificial Sequence  
 252 <220> FEATURE:  
 253 <223> OTHER INFORMATION: HUR50  
 256 <400> SEQUENCE: 14  
 257 cacagatctt ttgatttcca gcttggt 27  
 260 <210> SEQ ID NO: 15  
 261 <211> LENGTH: 27  
 262 <212> TYPE: DNA  
 263 <213> ORGANISM: Artificial Sequence  
 265 <220> FEATURE:  
 266 <223> OTHER INFORMATION: HUR51  
 269 <400> SEQUENCE: 15  
 270 atcaaaagat ctgtggctgc accatct 27  
 273 <210> SEQ ID NO: 16  
 274 <211> LENGTH: 58  
 275 <212> TYPE: DNA  
 276 <213> ORGANISM: Artificial Sequence  
 278 <220> FEATURE:  
 279 <223> OTHER INFORMATION: CK1D  
 282 <400> SEQUENCE: 16  
 283 gcgccgtcta gaattaacac tctccctgt tgaagctctt tgtgacgggc gaactcag 58  
 286 <210> SEQ ID NO: 17  
 287 <211> LENGTH: 27  
 288 <212> TYPE: DNA  
 289 <213> ORGANISM: Artificial Sequence  
 291 <220> FEATURE:  
 292 <223> OTHER INFORMATION: YM001N  
 295 <400> SEQUENCE: 17  
 296 ccggaattca cattcacgat gtacttg 27  
 299 <210> SEQ ID NO: 18  
 300 <211> LENGTH: 16  
 301 <212> TYPE: DNA  
 302 <213> ORGANISM: Artificial Sequence  
 304 <220> FEATURE:  
 305 <223> OTHER INFORMATION: YM003  
 308 <400> SEQUENCE: 18

## RAW SEQUENCE LISTING

DATE: 07/27/2006

PATENT APPLICATION: US/10/508,759A

TIME: 09:57:33

Input Set : A:\30215APG\_SEQ.txt

Output Set: N:\CRF4\07272006\J508759A.raw

309 tgccccccaga ggtgct 16  
312 <210> SEQ ID NO: 19  
313 <211> LENGTH: 33  
314 <212> TYPE: DNA  
315 <213> ORGANISM: Artificial Sequence  
317 <220> FEATURE:  
318 <223> OTHER INFORMATION: ym257  
321 <400> SEQUENCE: 19  
322 acgcattcag tgcttcttgg atgaactggg tga 33  
325 <210> SEQ ID NO: 20  
326 <211> LENGTH: 31  
327 <212> TYPE: DNA  
328 <213> ORGANISM: Artificial Sequence  
330 <220> FEATURE:  
331 <223> OTHER INFORMATION: YM258  
334 <400> SEQUENCE: 20  
335 atccaagaag cactgaatgc gtagccagaa g 31  
338 <210> SEQ ID NO: 21  
339 <211> LENGTH: 38  
340 <212> TYPE: DNA  
341 <213> ORGANISM: Artificial Sequence  
343 <220> FEATURE:  
344 <223> OTHER INFORMATION: YM004  
347 <400> SEQUENCE: 21  
348 ccaattcaaa gcggtttttc cattactata taagaggc 38  
351 <210> SEQ ID NO: 22  
352 <211> LENGTH: 32  
353 <212> TYPE: DNA  
354 <213> ORGANISM: Artificial Sequence  
356 <220> FEATURE:  
357 <223> OTHER INFORMATION: YM009  
360 <400> SEQUENCE: 22  
361 gcagccaccg tacgtttgat ttccaccttg gt 32  
364 <210> SEQ ID NO: 23  
365 <211> LENGTH: 39  
366 <212> TYPE: DNA  
367 <213> ORGANISM: Artificial Sequence  
369 <220> FEATURE:  
370 <223> OTHER INFORMATION: Ryu 166  
373 <400> SEQUENCE: 23  
374 ggatttgtct gcagtcattg tggctctgcc ctggaactt 39  
377 <210> SEQ ID NO: 24  
378 <211> LENGTH: 27  
379 <212> TYPE: DNA  
380 <213> ORGANISM: Artificial Sequence  
382 <220> FEATURE:  
383 <223> OTHER INFORMATION: Hur 37  
386 <400> SEQUENCE: 24  
387 gacaaatcca cgagcacagt ctacatg 27

Please correct  
similar error in  
subsequent sequences.

**VERIFICATION SUMMARY**

DATE: 07/27/2006

PATENT APPLICATION: US/10/508,759A

TIME: 09:57:34

Input Set : A:\30215APG\_SEQ.txt

Output Set: N:\CRF4\07272006\J508759A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date